

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/NL2004/000481

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 H01Q21/00 H01Q21/24 H01Q13/08 H01Q25/00 H01Q9/04		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 786 792 A (MIKLOSKO ROBERT J ET AL) 28 July 1998 (1998-07-28) abstract column 2, lines 3-26 column 3, lines 35-46 column 4, line 66 - column 5, line 38 figures 1,8,9	1-20,22, 23
X	US 6 424 313 B1 (NAVARRO JULIO ANGEL ET AL) 23 July 2002 (2002-07-23) column 1, lines 6-10 column 2, line 59 - column 4, line 13 column 6, line 44 - column 7, line 17 figures 3,9-11	1-20,22, 23
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</span>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 48%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&amp;* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the International search  <div style="text-align: center; font-weight: bold;">20 September 2004</div>		Date of mailing of the International search report  <div style="text-align: center; font-weight: bold;">05/10/2004</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  <div style="text-align: center; font-weight: bold;">van Norel, J</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 843 403 A (LALEZARI FARZIN ET AL) 27 June 1989 (1989-06-27) column 3, lines 39-68 column 5, lines 43-68 column 7, lines 1-14 column 8, lines 20-31 figures 2a,2b,4 -----	1,19,22
X	US 2 514 992 A (EDELSON CHARLES R) 11 July 1950 (1950-07-11) column 1, line 1 - column 5, line 18 figures 1-5 -----	1,22
A	US 5 227 808 A (DAVIS MARK B) 13 July 1993 (1993-07-13) abstract -----	1-23
A	TAN-HUAT CHIO ET AL: "Large wideband dual-polarized array of Vivaldi antennas with radome" MICROWAVE CONFERENCE, 1999 ASIA PACIFIC SINGAPORE 30 NOV.-3 DEC. 1999, PISCATAWAY, NJ, USA,IEEE, US, 30 November 1999 (1999-11-30), pages 92-95, XP010374119 ISBN: 0-7803-5761-2 the whole document -----	1-23
A	GB 1 601 441 A (PHILIPS ELECTRONIC ASSOCIATED) 28 October 1981 (1981-10-28) cited in the application page 2, lines 20-36 - page 4, lines 7-23 figures 1,4 -----	1-23
A	EP 0 349 069 A (PHILIPS ELECTRONIC ASSOCIATED ; PHILIPS NV (NL)) 3 January 1990 (1990-01-03) cited in the application abstract -----	1-23

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5786792	A	28-07-1998	US	5845391 A	08-12-1998
US 6424313	B1	23-07-2002	AU	7804301 A	13-03-2002
			WO	0219469 A1	07-03-2002
US 4843403	A	27-06-1989	AU	613645 B2	08-08-1991
			AU	1844588 A	02-02-1989
			EP	0301216 A2	01-02-1989
			IL	86756 A	21-11-1991
			JP	1295503 A	29-11-1989
US 2514992	A	11-07-1950	NONE		
US 5227808	A	13-07-1993	NONE		
GB 1601441	A	28-10-1981	NONE		
EP 0349069	A	03-01-1990	GB	2220303 A	04-01-1990
			EP	0349069 A1	03-01-1990
			JP	2052508 A	22-02-1990